

RUKUNGIRI DISTRICT PRIMARY SCHOOLS'

EXAMINATION PANEL

PLE MOCK 2024

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes.

Index No

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Candidate's Name

Candidate's Signature

School Name:

District :

Read the instructions very carefully.

1. This paper is made up of **two** Sections; **A** and **B**.
2. Answer **all** questions. All answers to both sections must be written in the spaces provided.
3. All answers must be written using a blue/black pen or in ink.
4. Unnecessary crossing out of answers will lead to loss of marks.
5. Any illegible handwriting may lead to loss of marks.
6. Do not fill anything in the boxes shown;
"Examiners' use only."

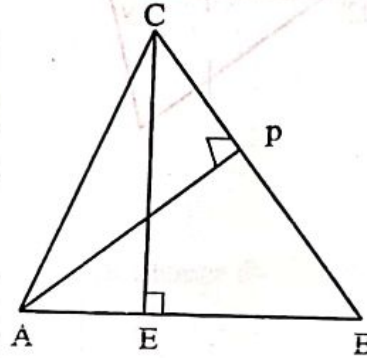
FOR EXAMINERS USE ONLY		
QN. No.	Marks	Sign.
1- 10		
11- 20		
21-22		
23-24		
25- 26		
27 -28		
29-30		
31-32		
TOTAL		

SECTION A

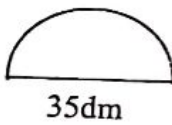
1.	Work out 12×2	8.	If today is Friday, what day of the week was it 24 days ago?
2.	Write in words 90,909 in words		
3.	Given the place value of 8 in a numeral is ten thousands, find its value	9.	The executive meeting for DFCU bank ended at 1:25pm. If it lasted for 3 hours and 50 minutes. At what time did it start?
4.	Work out $1\frac{2}{5} + \frac{1}{5}$		
5.	Simplify: $-9 - 5$	10.	Solve for k : $2(1-k) = 10$
	Express 472.63 in standard form		

11. Four boys take 10 days to slash the compound. How long will eight boys take to slash the same compound working at the same rate?

14. Study the figure below and find the value of AP ; given that $AB = 15\text{cm}$, $EC = 6\text{cm}$, and $BC = 12\text{cm}$



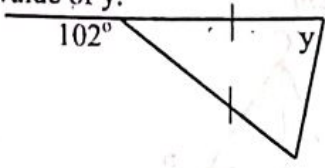
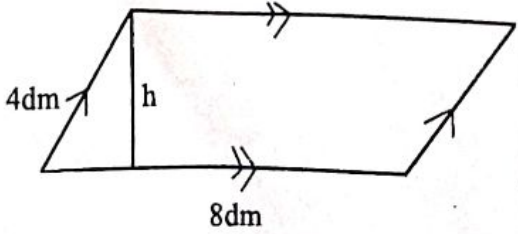
12. Find the circumference of the figure below.

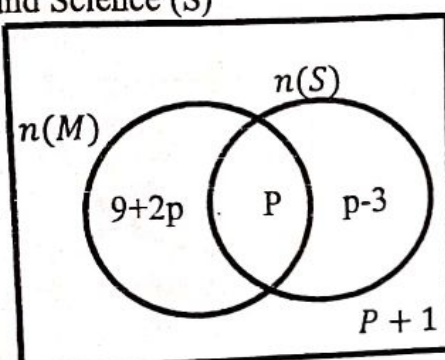


15. The headteacher of Bwanga Progressive Primary school gave out 24 certificates, 18 laptops and 30 school bags as gifts at the end of the year thanks giving day. If the gifts were shared equally, find the number of children that shared.



13. In a bag, there are black pens and red pens. If the probability of picking a black pen from the bag is $\frac{2}{5}$ and there are 9 red pens. Find the total number of pens in the bag.

<p>16. Study the figure below and calculate the value of y.</p> 	<p>18. If $a = 5, b = -2, c = 2b$. Find the value of $\frac{ac}{a+b}$</p>
<p>17. The mean of $8y + 1, 2y$ and 14 is 15. Find the value of y.</p>	<p>19. A bus covered a distance of 80 km in 20 minutes. Calculate its speed in km/hr.</p>
<p>20. Below is a parallelogram whose area is 40 dm^2. Find its height.</p> 	

21	SECTION B	22	Give the figure 213_{four}
	<p>The venn diagram below shows learners who passed Mathematics (M) and Science (S)</p>  <p>(a) If 18 more learners passed Maths only than Science only. Find the value of P.</p>		<p>(a) What is the value of 2 in the figure?</p>
	<p>(b) How many learners did not pass mathematics</p>		<p>(b) Change the figure to octal base.</p>

23. In a company, baby's nutritious foods are mixed such that 25% of it is cassava flour, $\frac{1}{2}$ of the remainder is soya bean flour and the rest is sorghum flour. If the mixture is made up of 24kg of sorghum flour, find the total mass of the mixture.

24c. A man bought a watch for 700 British pounds. Find the cost of the same watch in Kenya shillings.

25. The headteacher of Kyamakanda Primary School went for shopping with sh. 20,000. Complete the table if he went back with shs 3000.

Item	Quatinty	Unit cost	Amou nt
Rice	1 $\frac{1}{2}$ kg	Sh ____ akg	Sh 4500
Cooking oil	2 litres	Sh.2500per litre	Sh ____
Meat	____ kg	Sh 11000@kg	Sh 5500
tomatoes	____ tomatoes	Sh 500 for every 3 tomatoes	____
Total expenditure			____

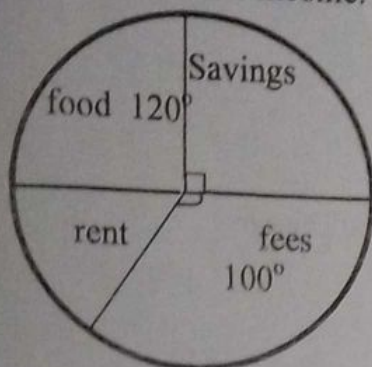
24 The table below shows the rates at which DFCU bank buys and sells different currencies

Currency	Buying	Selling
1Us dollar	Ug.sh3500	Ug.sh 3600
1 british pound	Ush.4000	Ug.sh4200
1k sh	Ush 30	Ugsh.35

(a)A tourist had 250 Us dollars, how much money in uganda shillings did he get from the bank?

(b)John had 3,256,000. How many brtitish pounds did he get from the bank.

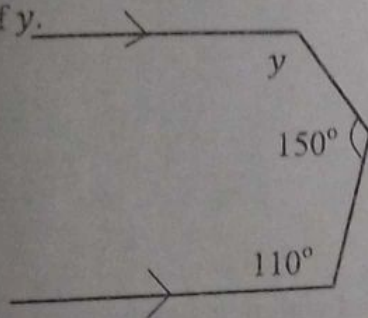
26. The pie chart below shows how Doreen's family spends her income.



26(b) What percentage does he spend on food?

(a) If the family spends 180,000 on rent, find the family's total income.

27 (a) In the figure below, find the value of y .



27(b) The interior angle of a polygon is 108° . Name the polygon

28 Peter left Budaaka driving a steady speed of 116km/hr for $1\frac{1}{2}$ hrs and then rested for 30 minutes for the engine to cool. He continued his journey at a steady speed of 60km/hr and covered the remaining 150km.

(a) find the distance he covered before resting.

28 (b) Calculate Peter's average speed for the whole journey

29	<p>A farmer deposited sh 400,000 in a Sacco which offers an interest rate of $2\frac{1}{2}\%$ per year for 3 years.</p> <p>(a) find the interest earned after 3 years.</p> <p>(b) find the amount in total he got after a period of 3 years.</p>	
30	<p>Using a ruler, a pencil and a pair of compasses only, construct a triangle PQR where $PQ=7.5\text{cm}$, $\angle PQR = 30^\circ$, $\angle QPR = 105^\circ$</p> <p>(b) Measure QR</p>	
30	<p>A circular flower garden of diameter 35 metres was fenced with poles placed a distance of 2.5 metres apart.</p> <p>(a) How many poles were used?</p>	
31	<p>(b) If each pole costs shs. 5000, how much money was spent to fence the flower garden</p>	
32	<p>(a) Simplify:</p> $\frac{3.6 - 2.52}{0.4 \times 0.018}$	<p>(b):</p> $\frac{2}{3} - \frac{1}{6} \text{ of } 1\frac{1}{2}$

END